

1646 0279 0500 0360  
 #3  
 CRF  
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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/682,706

DATE: 10/10/2002  
 TIME: 06:53:36

Input Set : C:\Crf3\Datahold\EFS\09682706\PTO\_MS.txt  
 Output Set: N:\CRF3\10102001\I682706.raw

RECEIVED  
 MAR 04 2002  
 TECH CENTER 1600/2900

ENTERED

4 <110> APPLICANT: Hsu, Sheau-Yu  
 5 Hsueh, Aaron  
 8 <120> TITLE OF INVENTION: Stresscopins and their ses  
 11 <130> FILE REFERENCE: STAN210  
 13 <140> CURRENT APPLICATION NUMBER: US/09/682,706  
 14 <141> CURRENT FILING DATE: 2001-10-09  
 16 <150> PRIOR APPLICATION NUMBER: 60/276,615  
 17 <151> PRIOR FILING DATE: 2001-03-15  
 19 <150> PRIOR APPLICATION NUMBER: 60/244,128  
 20 <151> PRIOR FILING DATE: 2000-10-26  
 22 <160> NUMBER OF SEQ ID NOS: 15  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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 27 <211> LENGTH: 339  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Homo Sapiens  
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 33 ccagtgaccc ctatcccaac cttccagctc cgccctcaga attctcccca gaccactccc 120  
 34 cgacctgcgg cctcagagag cccctcagct gctccacat ggccgtgggc tgcccagagc 180  
 35 cactgcagcc ccaccgcga cctgggctcg cgcattgtcc tatcgctgga tgtcccatc 240  
 36 ggctcttgc agatcttaact ggagcaagcc cgggccaggg ctgccaggga gcaggccacc 300  
 37 accaacgccc gcctcctggc ccgtgtggc cactgctga 339  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 112  
 41 <212> TYPE: PRT  
 42 <213> ORGANISM: Homo Sapiens  
 44 <400> SEQUENCE: 2  
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 46 1 5 10 15  
 47 Val Leu Val Val Pro Val Thr Pro Ile Pro Thr Phe Gln Leu Arg Pro  
 48 20 25 30  
 49 Gln Asn Ser Pro Gln Thr Thr Pro Arg Pro Ala Ala Ser Glu Ser Pro  
 50 35 40 45  
 51 Ser Ala Ala Pro Thr Trp Pro Trp Ala Ala Gln Ser His Cys Ser Pro  
 52 50 55 60  
 53 Thr Arg His Pro Gly Ser Arg Ile Val Leu Ser Leu Asp Val Pro Ile  
 54 65 70 75 80  
 55 Gly Leu Leu Gln Ile Leu Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg  
 56 85 90 95  
 57 Glu Gln Ala Thr Thr Asn Ala Arg Ile Leu Ala Arg Val Gly His Cys  
 58 100 105 110  
 61 <210> SEQ ID NO: 3  
 62 <211> LENGTH: 43  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Homo sapiens  
 66 <400> SEQUENCE: 3

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67 His Pro Gly Ser Arg Ile Val Leu Ser Leu Asp Val Ile Leu Gly Leu
68 1 5 10 15
69 Leu Gln Ile Leu Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln
70 20 25 30
71 Ala Thr Thr Asn Ala Arg Ile Leu Ala Arg Val
72 35 40
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 486
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 4
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82 ggc ccc agg aca ggc ctc ccc cac aag ttc tac aaa gcc aag ccc atc 96
83 ttc agc tgc ctc aac acc gcc ctg tct gag gct gag aag gcc cag tgg 144
84 gag gat gca tcc ctg ctg agc aag agg agc ttc cac tac ctg cgc agc 192
85 aga gac gcc tct tcg gga gag gag gag gag ggc aaa gag aaa aag act 240
86 ttc ccc atc tct ggg gcc agg ggt gga gcc gga ggc acc cgt tac aga 288
87 tac gtg tcc caa gca cag ccc agg gga aag cca cgc cag gac aca gcc 336
88 aag agt ccc cac cgc acc aag ttc acc ctg tcc ctc gac gtc ccc acc 384
89 aac atc atg aac ctc ctc ttc aac atc gcc aag gcc aag aac ctg cgt 432
90 gcc cag gcg gcc gcc aat gcc cac ctg atg gcg caa att ggg agg aag 480
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94 <211> LENGTH: 161
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
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99 Met Leu Met Pro Val His Phe Leu Leu Leu Leu Leu Leu Gly
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101 Gly Pro Arg Thr Gly Leu Pro His Lys Phe Tyr Lys Ala Lys Pro Ile
102 20 25 30
103 Phe Ser Cys Leu Asn Thr Ala Leu Ser Glu Ala Glu Lys Gly Gln Trp
104 35 40 45
105 Glu Asp Ala Ser Leu Leu Ser Lys Arg Ser Phe His Tyr Leu Arg Ser
106 50 55 60
107 Arg Asp Ala Ser Ser Gly Glu Glu Glu Gly Lys Glu Lys Lys Thr
108 65 70 75 80
109 Phe Pro Ile Ser Gly Ala Arg Gly Gly Ala Gly Gly Thr Arg Tyr Arg
110 85 90 95
111 Tyr Val Ser Gln Ala Gln Pro Arg Gly Lys Pro Arg Gln Asp Thr Ala
112 100 105 110
113 Lys Ser Pro His Arg Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr
114 115 120 125
115 Asn Ile Met Asn Leu Leu Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg
116 130 135 140
117 Ala Gln Ala Ala Ala Asn Ala His Leu Met Ala Gln Ile Gly Arg Lys
118 145 150 155 160
119 Lys
123 <210> SEQ ID NO: 6

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Input Set : C:\Crf3\Datahold\EFS\09682706\PTO\_MS.txt

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124 &lt;211&gt; LENGTH: 40

125 &lt;212&gt; TYPE: PRT

126 &lt;213&gt; ORGANISM: Homo sapiens

128 &lt;400&gt; SEQUENCE: 6

129 Thr Lys Phe Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Leu

130 1 5 10 15

131 Leu-Phe Asn Ile Ala Lys Ala Lys Asn Leu Arg Ala Gln Ala Ala Ala

132 20 25 30

133 Asn Ala His Leu Met Ala Gln Ile

134 35 40

137 &lt;210&gt; SEQ ID NO: 7

138 &lt;211&gt; LENGTH: 42

139 &lt;212&gt; TYPE: PRT

140 &lt;213&gt; ORGANISM: Homo sapiens

142 &lt;400&gt; SEQUENCE: 7

143 Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu

144 1 5 10 15

145 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala

146 20 25 30

147 His Ser Asn Arg Lys Leu Met Glu Ile Ile

148 35 40

151 &lt;210&gt; SEQ ID NO: 8

152 &lt;211&gt; LENGTH: 42

153 &lt;212&gt; TYPE: PRT

154 &lt;213&gt; ORGANISM: Mus musculus

156 &lt;400&gt; SEQUENCE: 8

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158 1 5 10 15

159 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala

160 20 25 30

161 His Ser Asn Arg Ile Ile Phe Asp Ser Val

162 35 40

165 &lt;210&gt; SEQ ID NO: 9

166 &lt;211&gt; LENGTH: 42

167 &lt;212&gt; TYPE: PRT

168 &lt;213&gt; ORGANISM: Homo sapiens

170 &lt;400&gt; SEQUENCE: 9

171 Arg Arg Asp Asn Pro Ser Leu Ser Ile Asp Leu Thr Phe His Leu Leu

172 1 5 10 15

173 Arg Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala

174 20 25 30

175 Glu Gln Asn Arg Ile Ile Phe Asp Ser Val

176 35 40

179 &lt;210&gt; SEQ ID NO: 10

180 &lt;211&gt; LENGTH: 42

181 &lt;212&gt; TYPE: PRT

182 &lt;213&gt; ORGANISM: Mus musculus

184 &lt;400&gt; SEQUENCE: 10

185 Arg Arg Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu

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186 1 5 10 15
187 Arg Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala
188 20 25 30
189 Glu Gln Asn Arg Ile Ile Phe Asp Ser Val
190 35 40
193 <210> SEQ ID NO: 11
194 <211> LENGTH: 42
195 <212> TYPE: PRT
196 <213> ORGANISM: Carassius auratus
198 <400> SEQUENCE: 11
199 Arg Asn Asp Asp Pro Pro Ile Ser Ile Asp Leu Thr Phe His Leu Leu
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201 Arg Asn Met Ile Glu Met Ala Arg Asn Glu Asn Gln Arg Glu Gln Ala
202 20 25 30
203 Gly Leu Asn Arg Lys Tyr Leu Asp Glu Val
204 35 40
207 <210> SEQ ID NO: 12
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209 <212> TYPE: PRT
210 <213> ORGANISM: Catostomus commersoni
212 <400> SEQUENCE: 12
213 Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
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215 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Ala Gln Gln Ala
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217 His Ser Asn Arg Lys Met Met Glu Ile Phe
218 35 40
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223 <212> TYPE: PRT
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227 Arg Ser Glu Glu Pro Pro Ile Ser Leu Asp Leu Thr Phe His Leu Leu
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229 Arg Glu Val Leu Glu Met Ala Arg Ala Glu Gln Leu Val Gln Gln Ala
230 20 25 30
231 His Ser Asn Arg Lys Met Met Glu Ile Phe
232 35 40
235 <210> SEQ ID NO: 14
236 <211> LENGTH: 40
237 <212> TYPE: PRT
238 <213> ORGANISM: Phyllomedusa sauvagei
240 <400> SEQUENCE: 14
241 Gln Gly Pro Pro Ile Ser Ile Asp Leu Ser Leu Glu Leu Leu Arg Lys
242 1 5 10 15
243 Met Ile Glu Ile Glu Lys Gln Glu Lys Glu Lys Gln Gln Ala Ala Asn
244 20 25 30
245 Asn Arg Leu Leu Leu Asp Thr Ile
246 35 40

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249 &lt;210&gt; SEQ ID NO: 15

250 &lt;211&gt; LENGTH: 40

251 &lt;212&gt; TYPE: PRT

252 &lt;213&gt; ORGANISM: Takifugu rubripes

254 &lt;400&gt; SEQUENCE: 15

255 Ser Arg Leu Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Val

256 1 5 10 15

257 Leu Phe Asp Val Ala Lys Ala Lys Asn Leu Arg Ala Lys Ala Ala Glu

258 20 25 30

259 Asn Ala Arg Leu Leu Ala His Ile

260 35 40

VERIFICATION SUMMARY

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Input Set : C:\Crf3\Datahold\EFS\09682706\PTO\_MS.txt

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13 M:270 C: Current Application Number differs, Replaced Current Application Number